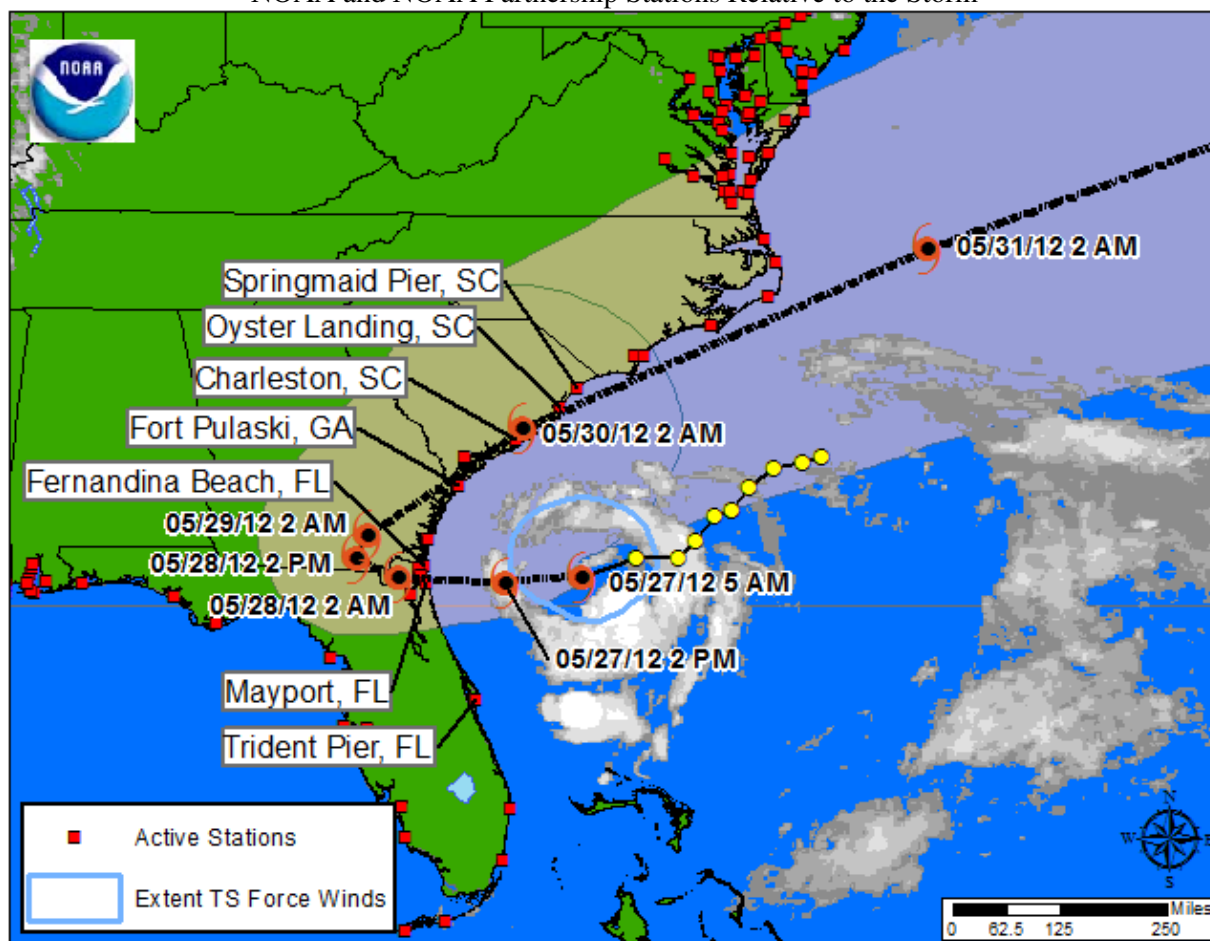


Subtropical Storm BERYL QuickLook  
Posted: 06:00 EDT 05/27/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 05/27/2012 06:00 EDT, water levels from South Carolina to central Florida are rising and range between 1.0 and 2.1 feet above tidal predictions. Winds generally range between 5 and 15 knots with some gusts up to 25 knots. Barometric pressure has begun to gradually fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 4.2 ft (1.29 m) at 05/27/2012 13:49 EDT and 4.6 ft (1.42 m) at 05/28/2012 02:03 EDT.

Fernandina Beach, FL: Next predicted high tides are 5.5 ft (1.67 m) at 05/27/2012 14:05 EDT and 6.0 ft (1.85 m) at 05/28/2012 02:21 EDT.

Subtropical Storm BERYL QuickLook, POSTED 06:00 EDT 05/27/2012

Fort Pulaski, GA: Next predicted high tides are 6.3 ft (1.91 m) at 05/27/2012 13:24 EDT and 7.0 ft (2.15 m) at 05/28/2012 01:39 EDT.

Charleston, SC: Next predicted high tides are 4.7 ft (1.44 m) at 05/27/2012 13:08 EDT and 5.4 ft (1.66 m) at 05/28/2012 01:16 EDT.

Oyster Landing (N. Inlet Estuary), SC: Next predicted high tides are 4.2 ft (1.29 m) at 05/27/2012 13:57 EDT and 4.7 ft (1.44 m) at 05/28/2012 02:13 EDT.

Springmaid Pier, SC: Next predicted high tides are 4.5 ft (1.37 m) at 05/27/2012 12:55 EDT and 5.0 ft (1.55 m) at 05/28/2012 00:59 EDT.

Trident Pier, FL: Next predicted high tides are 2.9 ft (0.89 m) at 05/27/2012 13:06 EDT and 3.4 ft (1.05 m) at 05/28/2012 01:21 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst:PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

SUBTROPICAL STORM BERYL ADVISORY NUMBER 6

NWS NATIONAL HURRICANE CENTER MIAMI FL AL022012

500 AM EDT SUN MAY 27 2012

...BERYL MOVING A LITTLE FASTER TOWARD THE SOUTHEAST U.S. COAST...EXPECTED TO MAKE LANDFALL TONIGHT...

WATCHES AND WARNINGS

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A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* VOLUSIA/BREVARD COUNTY LINE FLORIDA TO EDISTO BEACH SOUTH CAROLINA

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 500 AM EDT THE CENTER OF SUBTROPICAL STORM BERYL WAS LOCATED ABOUT 175 MI SE OF SAVANNAH GEORGIA AND ABOUT 175 MI E OF JACKSONVILLE FLORIDA. BERYL IS MOVING TOWARD THE WEST-SOUTHWEST NEAR 10 MPH. A TURN TOWARD THE WEST IS EXPECTED LATER TODAY...FOLLOWED BY A DECREASE IN FORWARD SPEED TONIGHT AND

MONDAY. ON THE FORECAST TRACK...THE CENTER OF BERYL WILL APPROACH THE COAST WITHIN THE WARNING AREA TODAY AND MAKE LANDFALL TONIGHT OR EARLY MONDAY. AFTER LANDFALL...BERYL IS EXPECTED TO MOVE SLOWLY WEST-NORTHWESTWARD AND THEN TURN NORTHWARD OVER PORTIONS OF NORTHEAST FLORIDA AND SOUTHEAST GEORGIA ON MONDAY AND MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS EXPECTED BEFORE LANDFALL. AFTER LANDFALL...BERYL IS EXPECTED TO WEAKEN TO A DEPRESSION ON MONDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 90 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 998 MB...29.47 INCHES.

#### HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE COAST WITHIN THE WARNING AREA FROM NORTHEASTERN FLORIDA TO SOUTHERN SOUTH CAROLINA LATE THIS MORNING OR THIS AFTERNOON AND CONTINUE THROUGH TONIGHT.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

COASTAL PORTIONS OF SOUTH CAROLINA...GEORGIA...AND NORTH FLORIDA...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST NEAR AND TO THE NORTH OF THE LANDFALL LOCATION...WHERE THE SURGE WILL BE ACCOMPANIED BY LARGE WAVES. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

SURF...DANGEROUS SURF CONDITIONS...INCLUDING RIP CURRENTS...ARE EXPECTED ALONG THE COAST FROM NORTHEASTERN FLORIDA TO NORTH CAROLINA OVER THE REMAINDER OF THE MEMORIAL DAY WEEKEND. PLEASE SEE STATEMENTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE FOR INFORMATION SPECIFIC TO YOUR AREA.

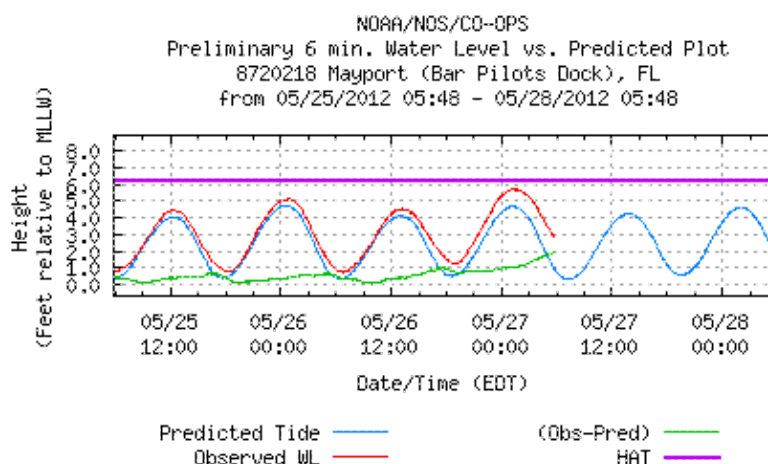
RAINFALL...BERYL IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 3 TO 6 INCHES ALONG THE SOUTHEASTERN COAST OF THE UNITED STATES FROM NORTHERN FLORIDA THROUGH SOUTHEASTERN NORTH CAROLINA.

FORECASTER BRENNAN/ROBERTS

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#), [Mayport \(Bar Pilots Dock\) - Air/Water Temp](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fernandina Beach - Air/Water Temp](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Charleston - Air/Water Temp](#), [Oyster Landing \(N. Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#),

Mayport (Bar Pilots Dock), FL - Return to List

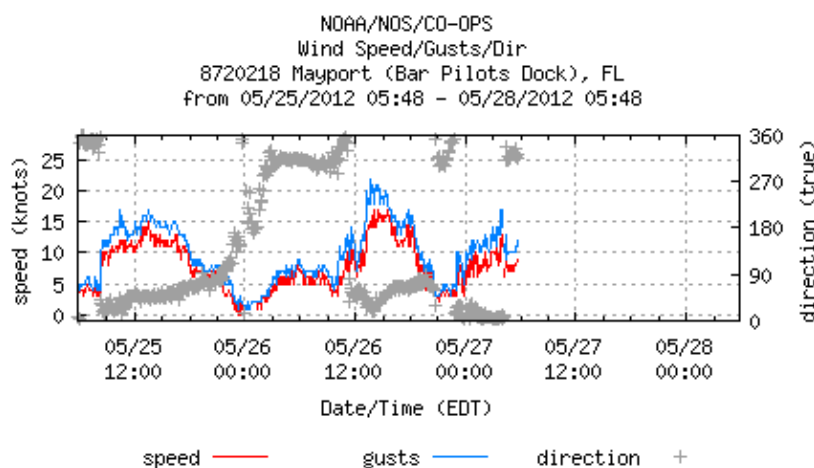


Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: **Observed: 2.90 ft.** **Predicted: 0.97 ft.** **Residual: 1.93 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

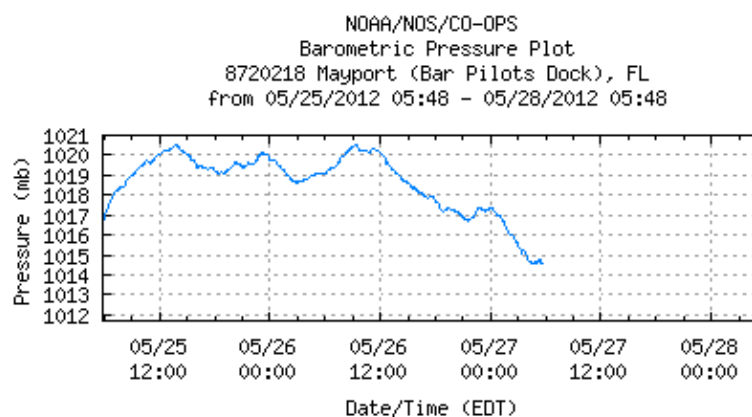
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

**Wind Speed: 9 knots** **Gusts: 12 knots** Direction: 322° T

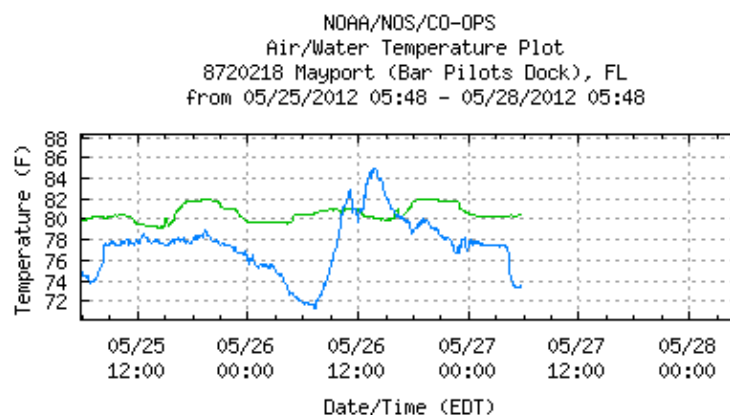
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

Barometric Pressure: 1014.6 mb

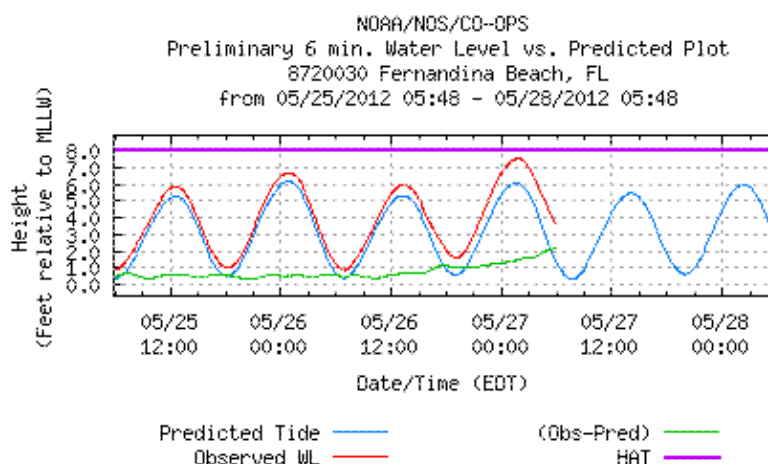
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

Water Temperature: 80.4° F Air Temperature: 73.4° F

Fernandina Beach, FL - Return to List

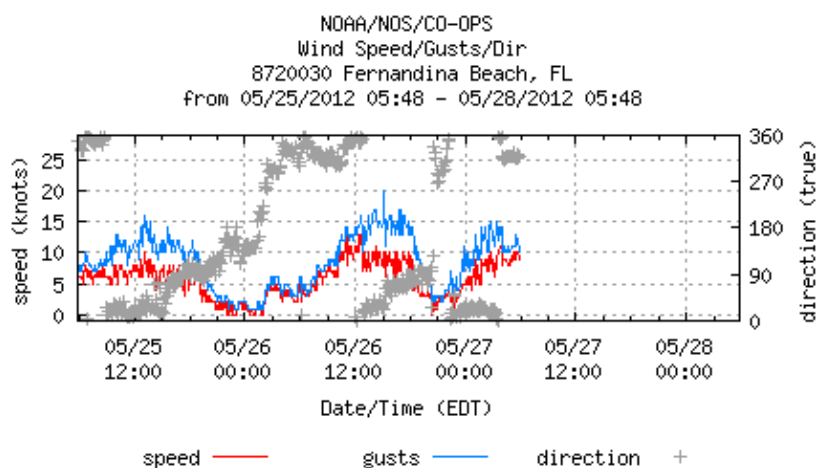


Last Observed Sample: 05/27/2012 05:48 (EDT)

Relative to MLLW: **Observed: 3.65 ft.** **Predicted: 1.52 ft.** **Residual: 2.13 ft.**

Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

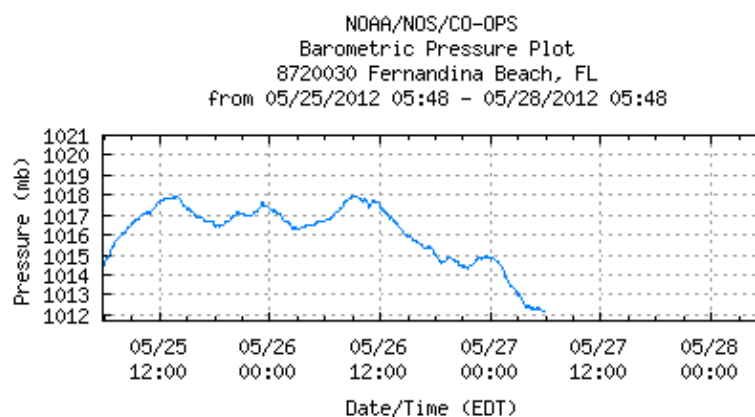
Fernandina Beach, FL - Return to List



Last Observed Sample: 05/27/2012 05:48 (EDT)

**Wind Speed: 9 knots** **Gusts: 10 knots** **Direction: 321° T**

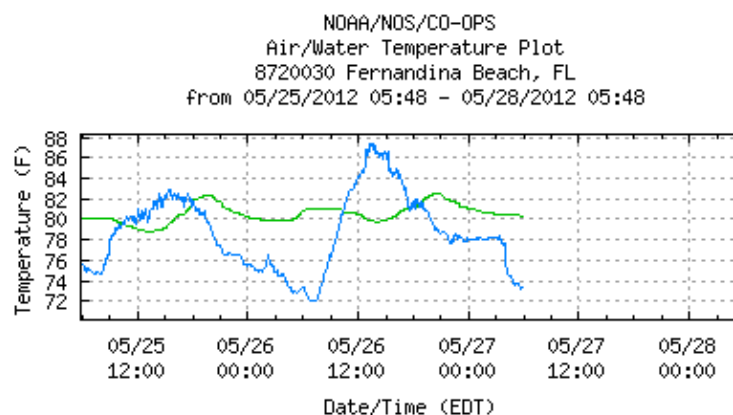
[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 05/27/2012 05:48 (EDT)

Barometric Pressure: 1012.2 mb

[Fernandina Beach, FL - Return to List](#)

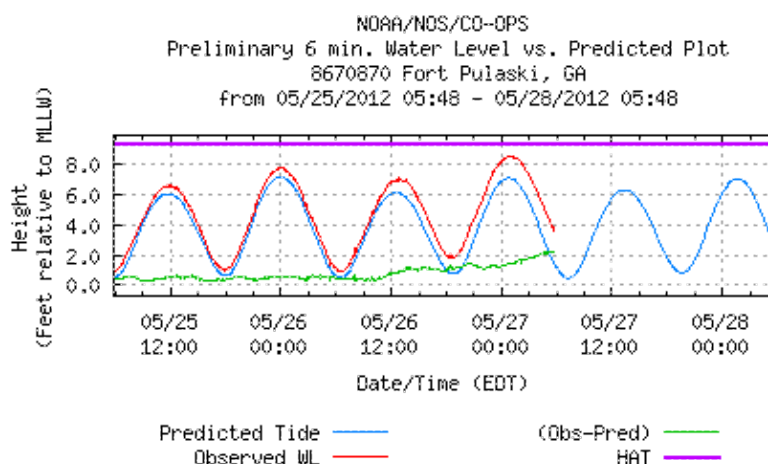


Last Observed Sample: 05/27/2012 05:48 (EDT)

Water Temperature: 80.2° F Air Temperature: 73.4° F



Fort Pulaski, GA - Return to List

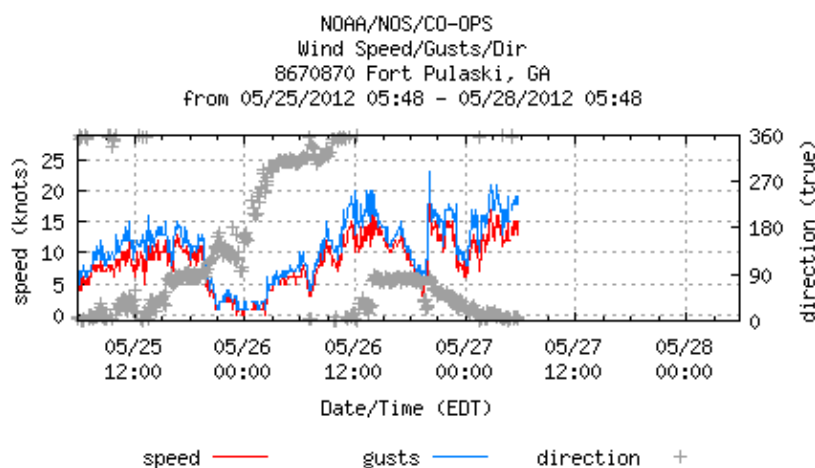


Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: **Observed: 3.63 ft.** **Predicted: 1.47 ft.** **Residual: 2.16 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

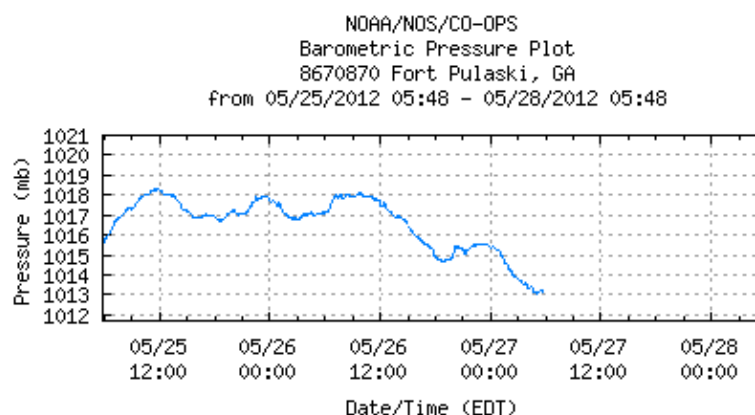
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

**Wind Speed: 15 knots** **Gusts: 19 knots** **Direction: 3° T**

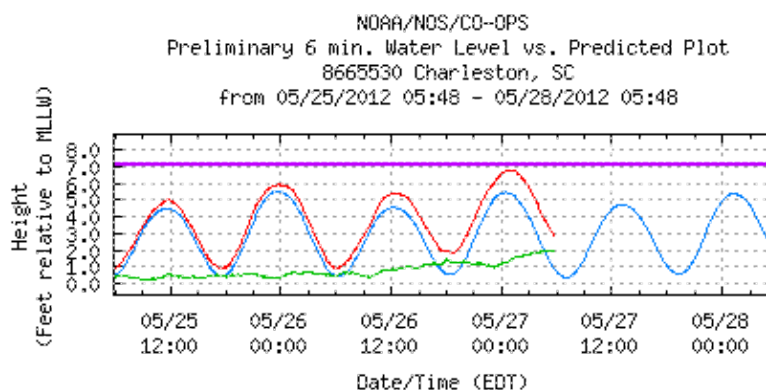
Fort Pulaski, GA - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

Barometric Pressure: 1013.1 mb

Charleston, SC - Return to List

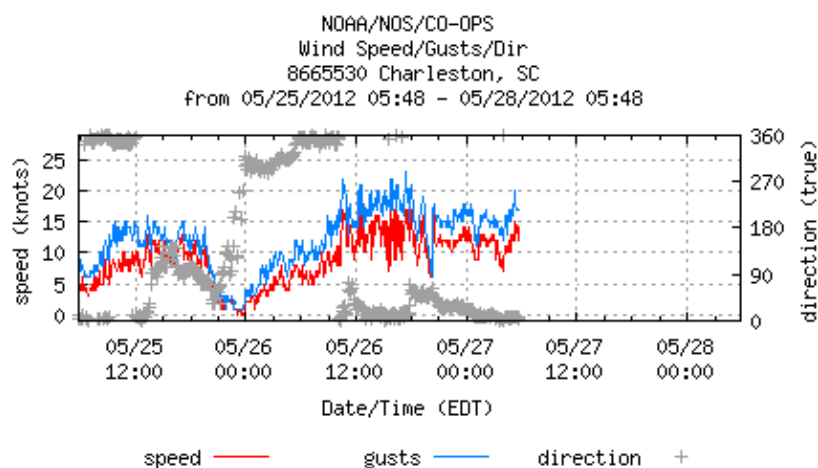


Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: **Observed: 2.88 ft.** **Predicted: 0.89 ft.** **Residual: 1.99 ft.**

Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

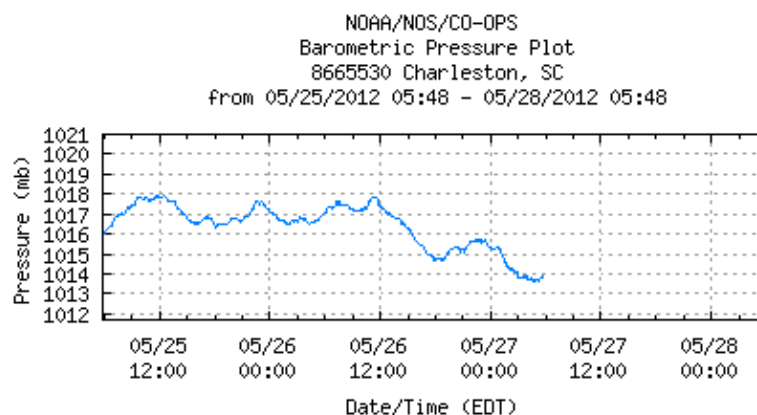
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/27/2012 05:42 (EDT)

Wind Speed: 14 knots Gusts: 17 knots Direction: 8° T

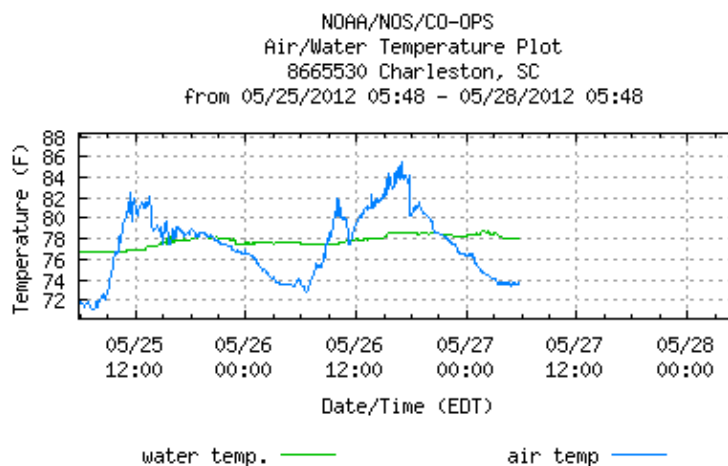
[Charleston, SC - Return to List](#)



Last Observed Sample: 05/27/2012 05:42 (EDT)

Barometric Pressure: 1013.8 mb

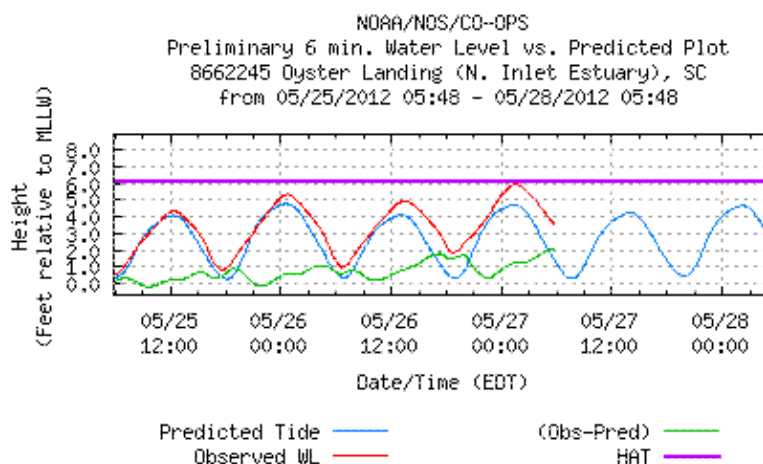
Charleston, SC - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

Water Temperature: 78.1° F Air Temperature: 73.6° F

Oyster Landing (N. Inlet Estuary), SC - Return to List

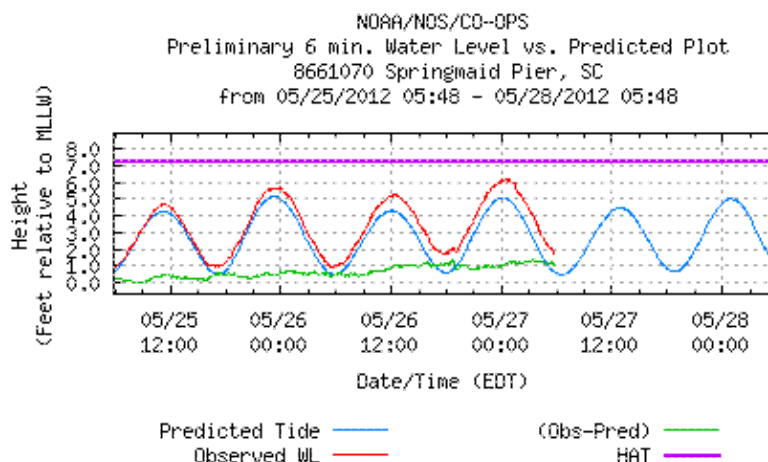


Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: Observed: 3.53 ft. Predicted: 1.44 ft. Residual: 2.09 ft.

Historical Maximum Water Level: Aug 26 2011, 2.4 ft. above MHHW

Springmaid Pier, SC - Return to List

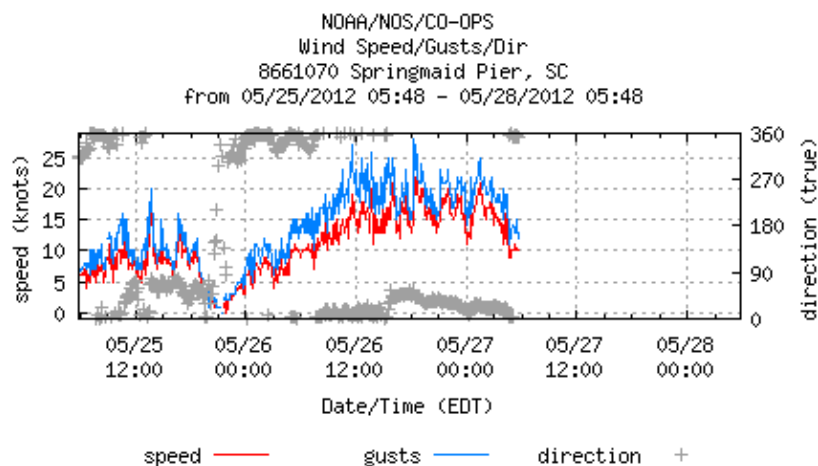


Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: **Observed: 1.74 ft.** **Predicted: 0.64 ft.** **Residual: 1.10 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

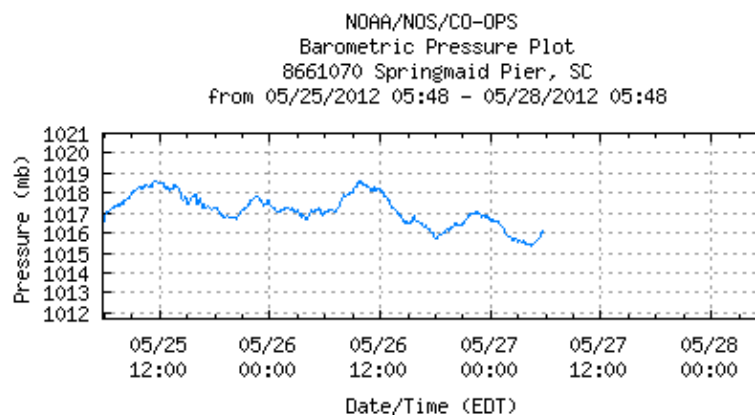
Springmaid Pier, SC - Return to List



Last Observed Sample: 05/27/2012 05:42 (EDT)

**Wind Speed: 10 knots** **Gusts: 12 knots** **Direction: 353° T**

Springmaid Pier, SC - Return to List

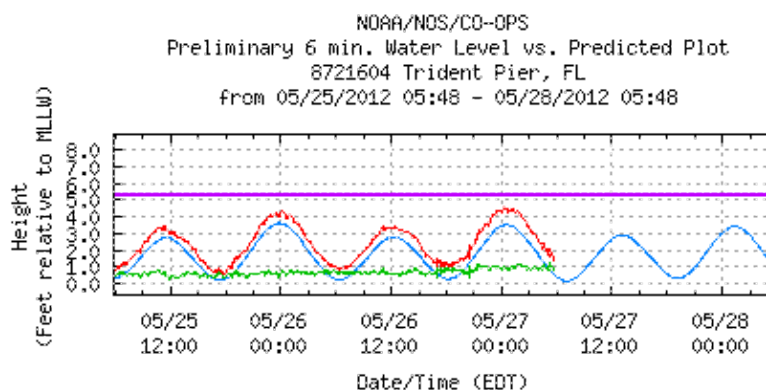


barometric pressure —

Last Observed Sample: 05/27/2012 05:42 (EDT)

Barometric Pressure: 1016.1 mb

Trident Pier, FL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

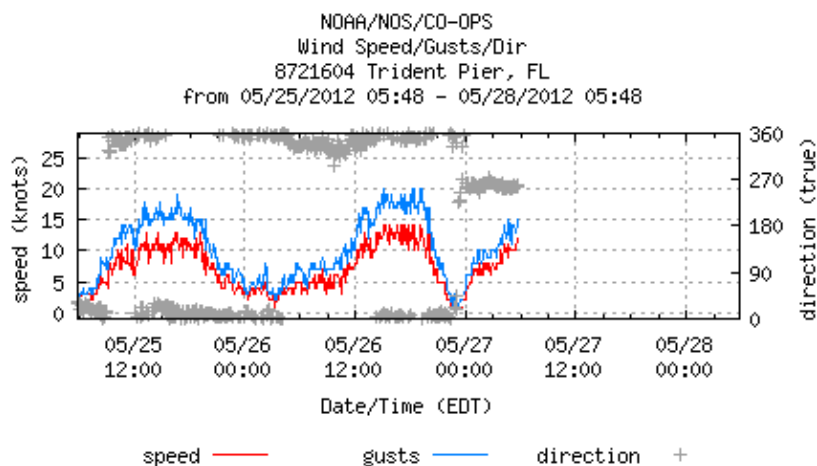
HAT —

Last Observed Sample: 05/27/2012 05:42 (EDT)

Relative to MLLW: **Observed: 1.35 ft.** **Predicted: 0.55 ft.** **Residual: 0.80 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

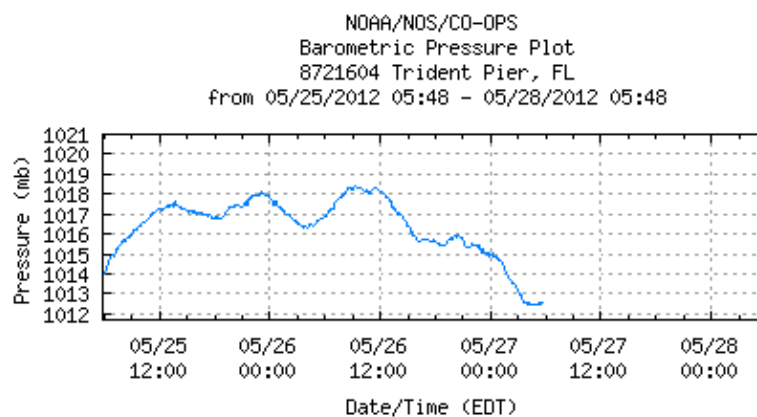
[Trident Pier, FL - Return to List](#)



Last Observed Sample: 05/27/2012 05:42 (EDT)

Wind Speed: 12 knots Gusts: 15 knots Direction: 259° T

[Trident Pier, FL - Return to List](#)



Last Observed Sample: 05/27/2012 05:42 (EDT)

Barometric Pressure: 1012.6 mb

Subtropical Storm BERYL QuickLook, POSTED 06:00 EDT 05/27/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce